Author Index

Akimoto, T., see Ichida, S. (1106) 17
Alinen, S., see Törnquist, K. (1106) 221
Apps, D.K., see Warren, M. (1106) 117
Aranda, F.J., see Ortiz, A. (1106) 282
Asano, S., see Fukushima, Y. (1106) 71
Asano, T., see Yamazaki, M. (1106) 94

Beaumier, B., see Strévey, J. (1106) 110
Becker, A., see Lepke, S. (1106) 13
Béliveau, R., see Strévey, J. (1106) 110
Bertoia, D., see Cavagnetto, F. (1106) 273
Bisaccia, F., De Palma, A. and Palmieri, F.
Identification and purification of the aspartate/glutamate carrier from bovine heart mitochondria (1106) 291
Bittar, E.E. and Huang, Y.-P.
Lack of effect on the sodium efflux of the microinjection of D-Ins(1,4,5)P_3 into ouabain-poisoned barnacle muscle-fibers (1106) 297
Bittman, R., Fugler, L., Clejan, S., Lister, M.D. and Hancock, A.J.
Interaction of cholesterol with conformationally restricted phospholipids in vesicles (1106) 40
Bravo, I., see Sobrevía, L. (1106) 257

Calderón, V. and Cerbón, J.
Interfacial pH modulation of membrane protein function in vivo. Effect of anionic phospholipids (1106) 251
Cass, C.E., see Jo, I. (1106) 45
Cavagnetto, F., Relini, A., Mirghani, Z., Gliozzi, A., Bertoia, D. and Gambacorta, A.
Molecular packing parameters of bipolar lipids (1106) 273
Cerbón, J., see Calderón, V. (1106) 251
Cervato, G., see Viani, P. (1106) 77
Cestaro, B., see Viani, P. (1106) 77
Chakrabarti, R., see Jo, I. (1106) 45
Clejan, S., see Bittman, R. (1106) 40
Cragoe Jr., E.J., see Viniegra, S. (1106) 99
Craik, J.D., see Jo, I. (1106) 45

De Carvalho, A.P., see Seppen, J. (1106) 209
De Palma, A., see Bisaccia, F. (1106) 291
Deuticke, B., see Klonk, S. (1106) 126
Deuticke, B., see Klonk, S. (1106) 137
Deuticke, B., see Klonk, S. (1106) 143
De Wit, J.G., see Elferink, M.G.L. (1106) 23
Doherty, A.J., see Griffith, D.A. (1106) 303
Driessen, A.J.M., see Elferink, M.G.L. (1106) 23

Ehrenfeld, J., Lacoste, I. and Harvey, B.J.
Effects of intracellular signals on Na^+/K^+-ATPase pump activity in the frog skin epithelium (1106) 197
Elferink, M.G.L., De Wit, J.G., In 't Veld, G., Reichert, A., Driessen, A.J.M., Ringsdorf, H. and Konings, W.N.
The stability and functional properties of proteoliposomes mixed with dextran derivatives bearing hydrophobic anchor groups (1106) 23
Esmann, M.
Properties of oligomycin-induced occlusion of Na^+ by detergent-solubilized Na,K-ATPase from pig kidney or shark rectal gland (1106) 1

Fugler, L., see Bittman, R. (1106) 40
Fukushima, Y., Asano, S. and Takada, J.
K^+-site-directed pyridine derivative, AU-1421, activates hydrolysis of the K^+-sensitive phosphoenzyme of sarcoplasmic reticulum Ca^{2+}-ATPase and inactivates that of K^+-transporting ATPases (1106) 71

Gale, P. and Watts, A.
Effect of bacteriorhodopsin on the orientation of the headgroup of 1,-2-dimyristoyl-*sn*-glycero-3-phosphocholine in bilayers: a ^{31}P- and ^2H-NMR study (1106) 317
Gambacorta, A., see Cavagnetto, F. (1106) 273
Gatti, P., see Viani, P. (1106) 77
Giroux, S., see Strévey, J. (1106) 110
Gliozzi, A., see Cavagnetto, F. (1106) 273
Gómez-Fernández, J.C., see Ortiz, A. (1106) 282
Grant, C.W.M., see Morrow, M.R. (1106) 85
Griffith, D.A., Doherty, A.J. and Jarvis, S.M.
Nucleoside transport in cultured LLC-PK_1 epithelia (1106) 303

Hah, J.S., see Jo, I. (1106) 45
Hancock, A.J., see Bittman, R. (1106) 40
Harvey, B.J., see Ehrenfeld, J. (1106) 197
Hinds, T.R., see Vincenzi, F.F. (1106) 63
Hinds, T.R., see Wu, L. (1106) 56
Hirayama, B.A., see Pajor, A.M. (1106) 216
Hoekstra, D., see Seppen, J. (1106) 209
Huang, C.-h., see Slater, J.L. (1106) 242
Huang, Y.-P., see Bittar, E.E. (1106) 297

Ichida, S., Masada, A., Yoshioka, T., Kishino, H., Akimoto, T. and Wada, T.
Effects of GTP analogues and activation of endogenous protein kinases on photoaffinity labeling with [^{3}H](+)PN200-110 of crude membranes from rat heart and brain (1106) 17
Ikeda, M., see Ohhashi, T. (1106) 165
In 't Veld, G., see Elferink, M.G.L. (1106) 23

Jadot, M., see Zhong, Z.-D. (1106) 311
Jane, S.D., see Reid, D.G. (1106) 264
Jarvis, S.M., see Griffith, D.A. (1106) 303
Jo, I., Hah, J.S., Rampal, A.L., Chakrabarti, R., Paterson, A.R.P., Craik, J.D., Cass, C.E., Zobel, C.R. and Jung, C.Y.
Transport function and subcellular distribution of purified human erythrocyte glucose transporter reconstituted into rat adipocytes (1106) 45
Johnstone, R.M., see Liang, L. (1106) 189
Jung, C.Y., see Jo, I. (1106) 45

Kamaya, H., see Kaminoh, Y. (1106) 335
Kaminoh, Y., Nishimura, S., Kamaya, H. and Ueda, I.
Alcohol interaction with high entropy states of macromolecules: critical temperature hypothesis for anesthesia cutoff (1106) 335
Katsu, T., see Ohhashi, T. (1106) 165
Kishino, H., see Ichida, S. (1106) 17
Klonk, S. and Deuticke, B.
Involvement of cytoskeletal proteins in the barrier function of the human erythrocyte membrane. I. Impairment of resealing and formation of aqueous pores in the ghost membrane after modification of SH groups (1106) 126
Klonk, S. and Deuticke, B.
Involvement of cytoskeletal proteins in the barrier function of the human erythrocyte membrane. II. Formation of membrane leaks in ghost membranes after limited proteolysis of skeletal proteins by trypsin (1106) 137
Klonk, S. and Deuticke, B.
Involvement of cytoskeletal proteins in the barrier function of the human erythrocyte membrane. III. Permeability of spectrin-depleted inside-out membrane vesicles to hydrophilic nonelectrolytes. Formation of leaks by chemical or enzymatic modification of membrane proteins (1106) 143
Kok, J.W., see Seppen, J. (1106) 209
Kombrabail, M.H., see Prabhananda, B.S. (1106) 171
Konings, W.N., see Elferink, M.G.L. (1106) 23

Lacoste, I., see Ehrenfeld, J. (1106) 197
Lee, A.G., see Reid, D.G. (1106) 264
Lepke, S., Becker, A. and Passow, H.
Mediation of inorganic anion transport by the hydrophobic domain of mouse erythroid band 3 protein expressed in oocytes of *Xenopus laevis* (1106) 13
Levin, I.W., see Slater, J.L. (1106) 242
Li, J.-M. and Shore, G.C.
Protein sorting between mitochondrial outer and inner membranes. Insertion of an outer membrane protein into the inner membrane (1106) 233
Liang, L. and Johnstone, R.M.
Evidence for an internal pool of nucleoside transporters in mammalian reticulocytes (1106) 189
Lister, M.D., see Bittman, R. (1106) 40
Lu, D., see Morrow, M.R. (1106) 85

MacLachlan, L.K., see Reid, D.G. (1106) 264
Masada, A., see Ichida, S. (1106) 17
Medina, V., see Sobrevía, L. (1106) 257
Mirghani, Z., see Cavagnetto, F. (1106) 273
Miyazu, M., see Yamazaki, M. (1106) 94
Morrow, M.R., Singh, D., Lu, D. and Grant, C.W.M.
Glycosphingolipid phase behaviour in unsaturated phosphatidylcholine bilayers: a ^{2}H-NMR study (1106) 85

Nishimura, S., see Kaminoh, Y. (1106) 335
Nosaka, S., Ohkawa, T.-a., Okihara, K. and Yoshikawa, K.
Effects of local anesthetics on the *Chara* plasmalemma (1106) 325
Noy, N.
The ionization behavior of retinoic acid in aqueous environments and bound to serum albumin (1106) 151
Noy, N.
The ionization behavior of retinoic acid in lipid bilayers and in membranes (1106) 159

Ohhashi, T., Katsu, T. and Ikeda, M.
Improvement of reconstitution of the Cl^--translocating ATPase isolated from *Acetabularia acetabulum* into liposomes and several anion pump characteristics (1106) 165
Ohkawa, T.-a., see Nosaka, S. (1106) 325
Okihara, K., see Nosaka, S. (1106) 325
Ortiz, A., Aranda, F.J. and Gómez-Fernández, J.C.
Interaction of retinol and retinoic acid with phospholipid membranes. A differential scanning calorimetry study (1106) 282

Pajor, A.M., Hirayama, B.A. and Wright, E.M.
Molecular evidence for two renal Na^+/glucose cotransporters (1106) 216
Palmieri, F., see Bisaccia, F. (1106) 291
Passow, H., see Lepke, S. (1106) 13
Paterson, A.R.P., see Jo, I. (1106) 45
Pedroso de Lima, M.C., see Seppen, J. (1106) 209
Prabhananda, B.S. and Kombrabail, M.H.
Monensin-mediated transports of H^+, Na^+, K^+ and Li^+ ions across vesicular membranes: T-jump studies (1106) 171

Rabito, C.A., see Viniegra, S. (1106) 99
Ramalho-Santos, J., see Seppen, J. (1106) 209
Rampal, A.L., see Jo, I. (1106) 45
Reichert, A., Ringsdorf, H. and Wagenknecht, A.
Spontaneous domain formation of phospholipase A_2 at interfaces: fluorescence microscopy of the interaction of phospholipase A_2 with mixed monolayers of lecithin, lysolecithin and fatty acid (1106) 178
Reichert, A., see Elferink, M.G.L. (1106) 23
Reid, D.G., MacLachlan, L.K., Salter, C.J., Saunders, M.J., Jane, S.D., Lee, A.G., Tremeer, E.J. and Salisbury, S.A.
An electrophysiological and spectroscopic study of the properties and structure of biological calcium channels. Investigations of a model ion channel (1106) 264
Reinicke, K., see Sobrevía, L. (1106) 257
Relini, A., see Cavagnetto, F. (1106) 273
Ringsdorf, H., see Elferink, M.G.L. (1106) 23
Ringsdorf, H., see Reichert, A. (1106) 178

Salisbury, S.A., see Reid, D.G. (1106) 264
Salter, C.J., see Reid, D.G. (1106) 264
Saunders, M.J., see Reid, D.G. (1106) 264
Scott, H.L., see Xing, J. (1106) 227
Seppen, J., Ramalho-Santos, J., De Carvalho, A.P., Ter Beest, M., Kok, J.W., Pedroso de Lima, M.C. and Hoekstra, D.
Interaction of clathrin with large unilamellar phospholipid vesicles at neutral pH. Lipid dependence and protein penetration (1106) 209
Shore, G.C., see Li, J.-M. (1106) 233
Singh, D., see Morrow, M.R. (1106) 85
Slater, J.L., Huang, C.-h. and Levin, I.W.
Interdigitated bilayer packing motifs: Raman spectroscopic studies of the eutectic phase behavior of the 1-stearoyl-2-caprylphosphatidylcholine/ dimyristoylphosphatidylcholine binary mixture (1106) 242
Smith, J.A.C., see Warren, M. (1106) 117
Sobrevía, L., Medina, V., Reinicke, K. and Bravo, I.
Uptake of L-leucine and L-phenylanine across the basolateral cell surface in isolated oxyntic glands (1106) 257
Solomon, A.K., see Zhang, Z.-h. (1106) 31
Strévey, J., Vachon, V., Beaumier, B., Giroux, S. and Béliveau, R.
Characterization of essential arginine residues implicated in the renal transport of phosphate and glucose (1106) 110

Takada, J., see Fukushima, Y. (1106) 71
Ter Beest, M., see Seppen, J. (1106) 209
Törnquist, K. and Alinen, S.
Characterization of Na^+/H^+ exchange in FRTL-5 thyroid cells. Evidence for dependence on activation of protein kinase C (1106) 221
Tremeer, E.J., see Reid, D.G. (1106) 264

Ueda, I., see Kaminoh, Y. (1106) 335

Vachon, V., see Strévey, J. (1106) 110
Viani, P., Cervato, G., Gatti, P. and Cestaro, B.
Calcitonin-induced changes in the organization of sulfatide-containing membranes (1106) 77
Vincenzi, F.F. and Hinds, T.R.
Numerical simulation of assay of the calcium pump of intact red blood cells (1106) 63
Vincenzi, F.F., see Wu, L. (1106) 56
Viniegra, S., Cragoe Jr., E.J. and Rabito, C.A.
Heterogeneity of the Na^+-H^+ antiport systems in renal cells (1106) 99

Wada, T., see Ichida, S. (1106) 17
Wagenknecht, A., see Reichert, A. (1106) 178
Warren, M., Smith, J.A.C. and Apps, D.K.
Rapid purification and reconstitution of a plant vacuolar ATPase using Triton X-114 fractionation: subunit composition and substrate kinetics of the H^+-ATPase from the tonoplast of *Kalanchoë daigremontiana* (1106) 117
Wattiaux-De Coninck, S., see Zhong, Z.-D. (1106) 311
Wattiaux, R., see Zhong, Z.-D. (1106) 311
Watts, A., see Gale, P. (1106) 317
Wright, E.M., see Pajor, A.M. (1106) 216
Wu, L., Hinds, T.R. and Vincenzi, F.F.
Assay of the Ca pump ATPase activity of intact red blood cells (1106) 56

Xing, J. and Scott, H.L.
Monte Carlo studies of a model for lipid-gramicidin A bilayers (1106) 227

Yamazaki, M., Miyazu, M. and Asano, T.
Studies of alcohol-induced interdigitated gel phase in phosphatidylcholine multilamellar vesicles by the excimer method (1106) 94
Yoshikawa, K., see Nosaka, S. (1106) 325
Yoshioka, T., see Ichida, S. (1106) 17

Zhang, Z.-h. and Solomon, A.K.
Effect of pCMBS on anion transport in human red cell membranes (1106) 31
Zhong, Z.-D., Jadot, M., Wattiaux-De Coninck, S. and Wattiaux, R.
Uptake of tyramine cellobiose by rat liver (1106) 311
Zobel, C.R., see Jo, I. (1106) 45